

MATERIALS & RESEARCH SECTION

SUPERPAVE PRODUCTION

2007 Production Season - ENGLISH YIELDS

WT (lb/ft ³)	BCBC 153.9	Type B 150.7	Type C			SMA 153.3
			9.5mm Stone 150.5	12.5 mm Stone 151.6	4.75mm Stone 143.6	
	SQUARE YARD/TON					
DEPTH (in)	DEEP LIFT	TYPE B	TYPE- C	TYPE-C	TYPE-C	SMA
0.50					37.14	
0.75					24.76	
1.00					18.57	
1.25			14.17		14.86	
1.50			11.81	11.73	12.38	11.60
1.75			10.12	10.05	10.61	9.94
2.00			8.86	8.80	9.29	8.70
2.25		7.86				
2.50		7.08				
3.00	5.78	5.90				
3.50	4.95					
4.00	4.33					
4.50	3.85					
5.00	3.47					
5.50	3.15					
6.00	2.89					

NOTES:

- 1) Square yard coverage is based upon 93 % compaction that has 100% Pay Factor under QA/QC spec.
- 2) Unless otherwise directed by Materials & Research, 9.5mm Type 'C' Hot-Mix is to be used.

SAMPLE CALCULATION:

The design is for a 1 mile long pavement, 24 feet wide, and 2 inches of Type C Hot-Mix.

$$[(5280 \text{ ft}) \times (24 \text{ ft})] / 9 \text{ ft}^2 \text{ per yd}^2 = 14080 \text{ yd}^2$$

Using the above chart, for Type C - 9.5 mm Stone Hot-Mix @ 2 inches, the value is 8.86 yd² per ton.

$$14080 \text{ yd}^2 / 8.86 \text{ yd}^2 \text{ per ton} = 1589.2 \text{ tons of Type C Hot-Mix}$$